

Serial No. 10/670,805
Atty. Doc. No. 2002P17355US

Amendments To The Claims:

Please amend the claims as shown. Applicant reserves the right to pursue any canceled claims at a later date.

1. (currently amended) A turbine vane for a turbine for generating electrical energy, comprising:

a hollow sectional element which extends radially with respect to the a rotor and which has a transverse platform at each of its ends, whereby the sectional element is surrounded by hot working medium;

a hollow inset, located in the sectional element, which stretches between the two platforms having a certain distance from the inside of the sectional element and having a base which faces one of the two transverse platforms;

a coolant flowing in radially through the other platform into the a hollow space of the inset and at least partially flowing out through baffle cooling openings provided on the inset aligned to the inside; and

a recess that is provided in the platform located immediately opposite the base, wherein the inset stretches into the recess ~~so that areas to establish zones in an extension of the inset with~~ having reduced predefined flow rates present for forming defining a particle trap in the a base area of the inset.

2. (currently amended) A The turbine vane according to Claim 1, wherein the base has at least one outlet opening for the coolant to produce a defined pressure gradient in the base area.

3. (currently amended) A The turbine vane according to Claim 1, wherein the inset in the base area is set at a distance from the recess so that appropriate outflow cross-sections are available for the coolant.

4. (currently amended) A The turbine vane according to Claim 1, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

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5. (currently amended) ~~A~~ The turbine vane according to Claim 4, wherein the cover plate is welded to the platform from the outside.

6. (currently amended) ~~A~~ The turbine vane according to Claims 2, wherein the outlet opening is a drill hole.

7. (currently amended) ~~A~~ The turbine vane according to Claim 6, wherein the outlet opening has a larger hole diameter than the baffle cooling openings.

8. (currently amended) ~~A~~ The turbine vane according to Claim 6, wherein the hole diameter of the outlet opening is between 1 mm and 3 mm.

9. (currently amended) A turbine comprising:
a compressor section for compressing air;
a combustion section for receiving the air and a fuel and combusting the fuel/air mixture to generate a working gas;

a turbine vane adapted for receiving the working gas comprising:
a hollow sectional element which extends radially with respect to the a rotor and which has a transverse platform at each of its ends, whereby the sectional element is surrounded by hot working medium;

a hollow inset, located in the sectional element, which stretches between the two platforms, having a certain distance from the inside of the sectional element and having a base which faces one of the two transverse platforms;

a coolant flowing in radially through the other platform into the a hollow space of the inset and at least partially flowing out through baffle cooling openings provided on the inset aligned to the inside; and

a recess that is provided in the platform located immediately opposite the base, wherein the inset stretches into the recess ~~so that areas to establish zones in an extension of the inset with having reduced predefined flow rates present for forming~~ defining a particle trap in the a base area of the inset.

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10. (currently amended) ~~A~~ The turbine vane for a turbine according to Claim 1, wherein the turbine is a gas turbine.

11. (currently amended) ~~A~~ The turbine vane according to Claim 2, wherein the inset in the base area is set at a distance from the recess so that appropriate outflow cross-sections are available for the coolant.

12. (currently amended) ~~A~~ The turbine vane according to Claim 2, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

13. (currently amended) ~~A~~ The turbine vane according to Claim 3, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

14. (currently amended) ~~A~~ The turbine vane according to Claim 3, wherein the outlet opening is a drill hole.

15. (currently amended) ~~A~~ The turbine vane according to Claim 4, wherein the outlet opening is a drill hole.

16. (currently amended) ~~A~~ The turbine vane according to Claim 5, wherein the outlet opening is a drill hole.

17. (currently amended) ~~A~~ The turbine with a turbine vane according to Claim 9, wherein the base has at least one outlet opening for the coolant to produce a defined pressure gradient in the base area.

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18. (currently amended) A The turbine with a turbine vane according to Claim 9, wherein the inset in the base area is set at a distance from the recess so that appropriate outflow cross-sections are available for the coolant.

19. (currently amended) A The turbine with a turbine vane according to Claim 9, wherein the recess is formed as a platform penetration which can be sealed from the outside by means of a cover plate.

20. (new) The turbine vane according to claim 1, wherein the zone is a standing eddy where the flow rate is approximately zero.

21. (new) The turbine with a turbine vane according to claim 9, wherein the zone is a standing eddy where the flow rate is approximately zero.